

# Specifications of Coal Readily Available.

As on 02/11/2011



## **1. Anthracite AKO size 25-100mm for BF top charging as part coke replacement**

### *Quality parameters*

- Ash – 8.0% max/rejection – 10.0% and over
  - Volatiles – 3.5% max
  - Moisture- 6% max
  - Sulphur – 1.0% max/ rejection above 1.0%
  - Net calorific value – 7000 kcal/kg min
  - Size 0-25mm -15% max  
100mm -15% max
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## **2. Anthracite AS size 6-13 mm for use as fuel in iron ore sintering**

### *Quality parameters*

- Ash – 10.0% max/rejection – 12.0% and over
- Volatiles – 3.7% max
- Moisture- 6.5% max
- Sulphur – 1.0% max/ rejection 1.0% and above
- Net calorific value – 6700 kcal/kg min
- Size 0-6mm=20%
- Size +13mm=12%

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## 3. PCI coal size 0-50 mm for Blast Furnace

### *Quality parameters*

- Ash (dry basis) – 12.0% max (actual 9.5% -11.6%)/rejection – above 13.0%
  - Volatiles (dry ash free basis) – 20-25% max
  - Moisture (As received basis) - 10% max (actual 8-9%)
  - Sulphur (Dry basis) – 0.7% max/ (actual 0.55%-0.65%)
  - Net calorific value – 6500 kcal/kg min
  - Hard Grove Grindability Index (HGI) - 60-80% max
  - Alkali (K<sub>2</sub>O+Na<sub>2</sub>O) in ash – 3.4% max (actual 2.5-3%)
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## 4. Washed Steam Coal of Indonesian origin

### *Quality Parameters*

- GAD = 5500 Kcal/kg
- Gross Calorific Value -(adb) 5500 Kcal/kg (Penalty <5500)
- Total Moisture -(arb) 36% (Penalty >36%)
- Inherent Moisture - (arb) 15% - 17%
- Ash Content - (adb) 8% (Penalty >8%)
- Volatile Matter - (adb) 40 approx
- Fixed Carbon - (adb) By Difference
- Sulfur Content - (adb) 0.5% approx
- HGI - 50 - 55 approx
- Size - 0 - 50mm - 80%  
+50mm - 20% Max